

Title (en)

CATALYST WITH BIMODAL PORE SIZE DISTRIBUTION AND THE USE THEREOF

Title (de)

KATALYSATOR MIT BIMODALER PORENGRÖSSENVERTEILUNG UND SEINE VERWENDUNG

Title (fr)

CATALYSEUR AVEC DISTRIBUTION BIMODALE DES TAILLES DE PORES ET UTILISATION ASSOCIÉE

Publication

**EP 2391448 A4 20140430 (EN)**

Application

**EP 10736169 A 20100105**

Priority

- US 2010020070 W 20100105
- US 36048209 A 20090127

Abstract (en)

[origin: US2009198076A1] The invention is directed to a catalyst for the epoxidation of an olefin to an olefin oxide, the catalyst comprising a support having at least two pore size distributions, each pore size distribution possessing a different mean pore size and a different pore size of maximum concentration, the catalyst further comprising a catalytically effective amount of silver, a promoting amount of rhenium, and a promoting amount of one or more alkali metals, wherein the at least two pore size distributions are within a pore size range of about 0.01 µm to about 50 µm. The invention is also directed to a process for the oxidation of an olefin to an olefin oxide using the above-described catalyst.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

No further relevant documents disclosed

Cited by

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**US 2009198076 A1 20090806**; **US 7932408 B2 20110426**; BR PI1007448 A2 20160216; CN 102365128 A 20120229; CN 102365128 B 20151125; EP 2391448 A2 20111207; EP 2391448 A4 20140430; EP 2391448 B1 20181121; JP 2012516234 A 20120719; KR 101711108 B1 20170228; KR 20110124757 A 20111117; MX 2011007946 A 20111011; RU 2011135743 A 20130310; WO 2010088006 A2 20100805; WO 2010088006 A3 20101021

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